

ABSTRACT

A method of controlling an input voltage of a high frequency amplifier includes measuring power supplied to a load, determining a first control variable for a series element disposed upstream from the high frequency amplifier based on the measured power and a
5 given set point, and determining a second control variable for a switched DC supply unit from a voltage drop across the series element such that the voltage drop does not exceed a given maximum value and does not fall below a given minimum value.

40184073.doc